

FIG. 1B

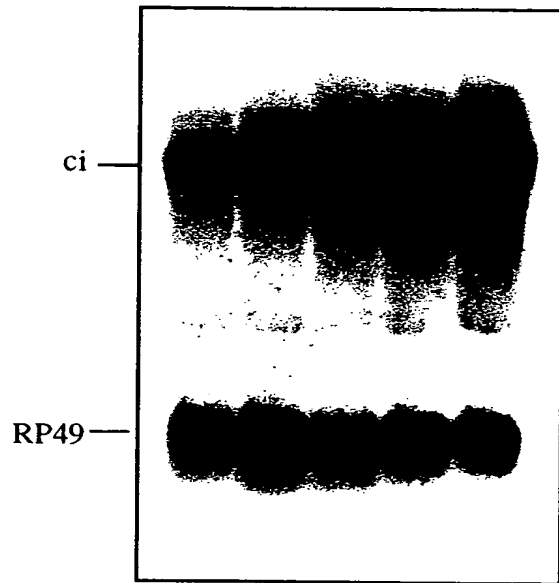


FIG. 1C

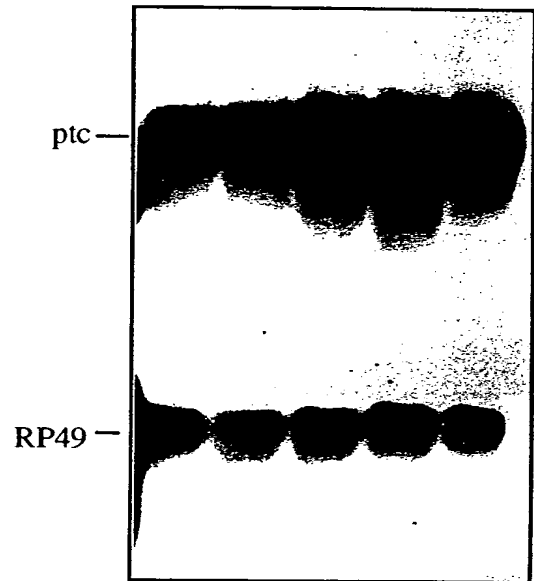


FIG. 1D

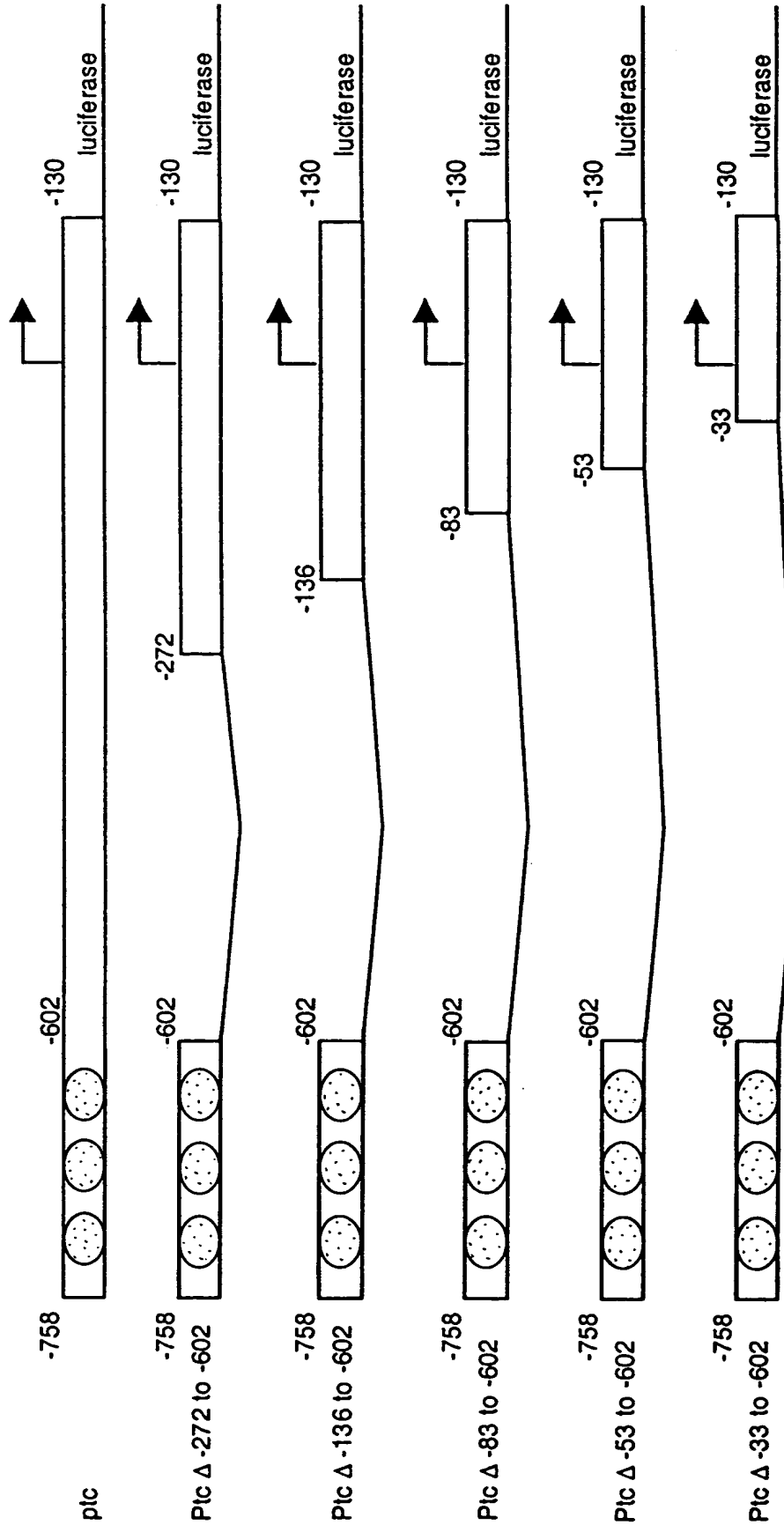
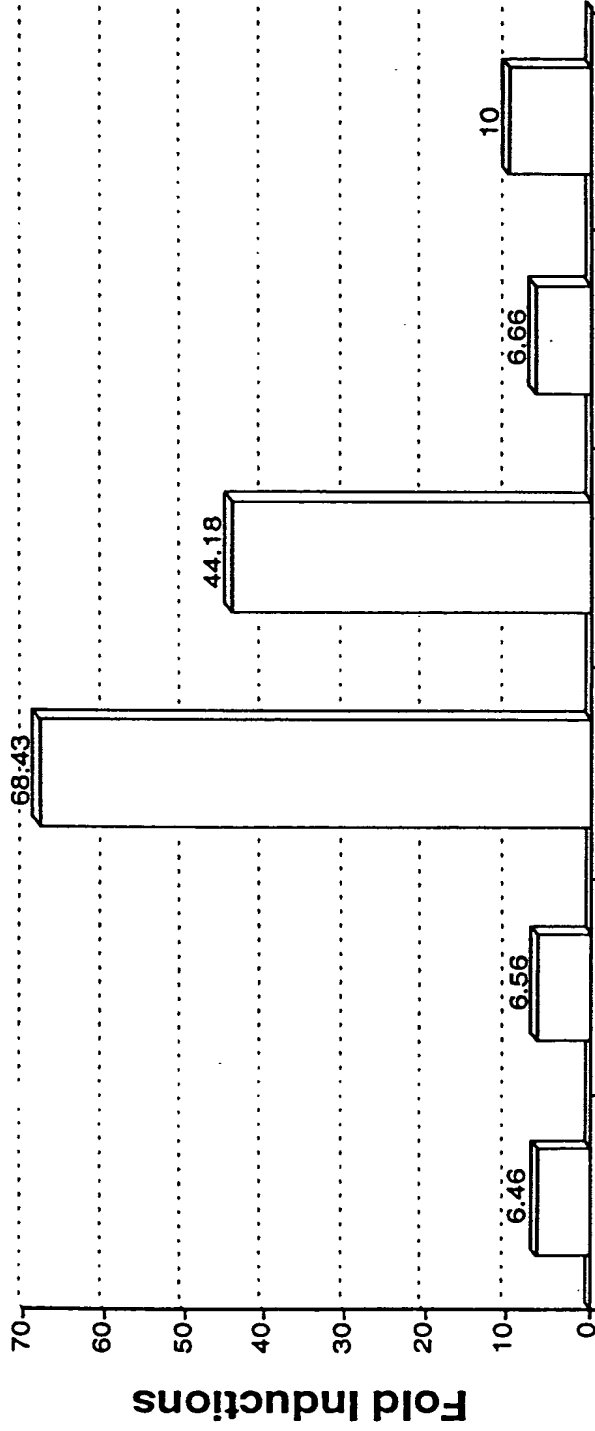


FIG. 2A

## Ptc promoter truncations



Luciferase/ Renilla	<i>ptc</i>	<i>ptc</i> Δ -272 to -602	<i>ptc</i> Δ -136 to -602	<i>ptc</i> Δ -83 to -602	<i>ptc</i> Δ -53 to -602	<i>ptc</i> Δ -33 to -602
HH-N +	21.26	28.52	26.69	11.93	0.32	0.41
HH-N -	3.29	4.35	0.39	0.27	0.05	0.04
HH-N +/ HH-N -	6.46	6.56	68.43	44.18	6.66	10

FIG. 2B

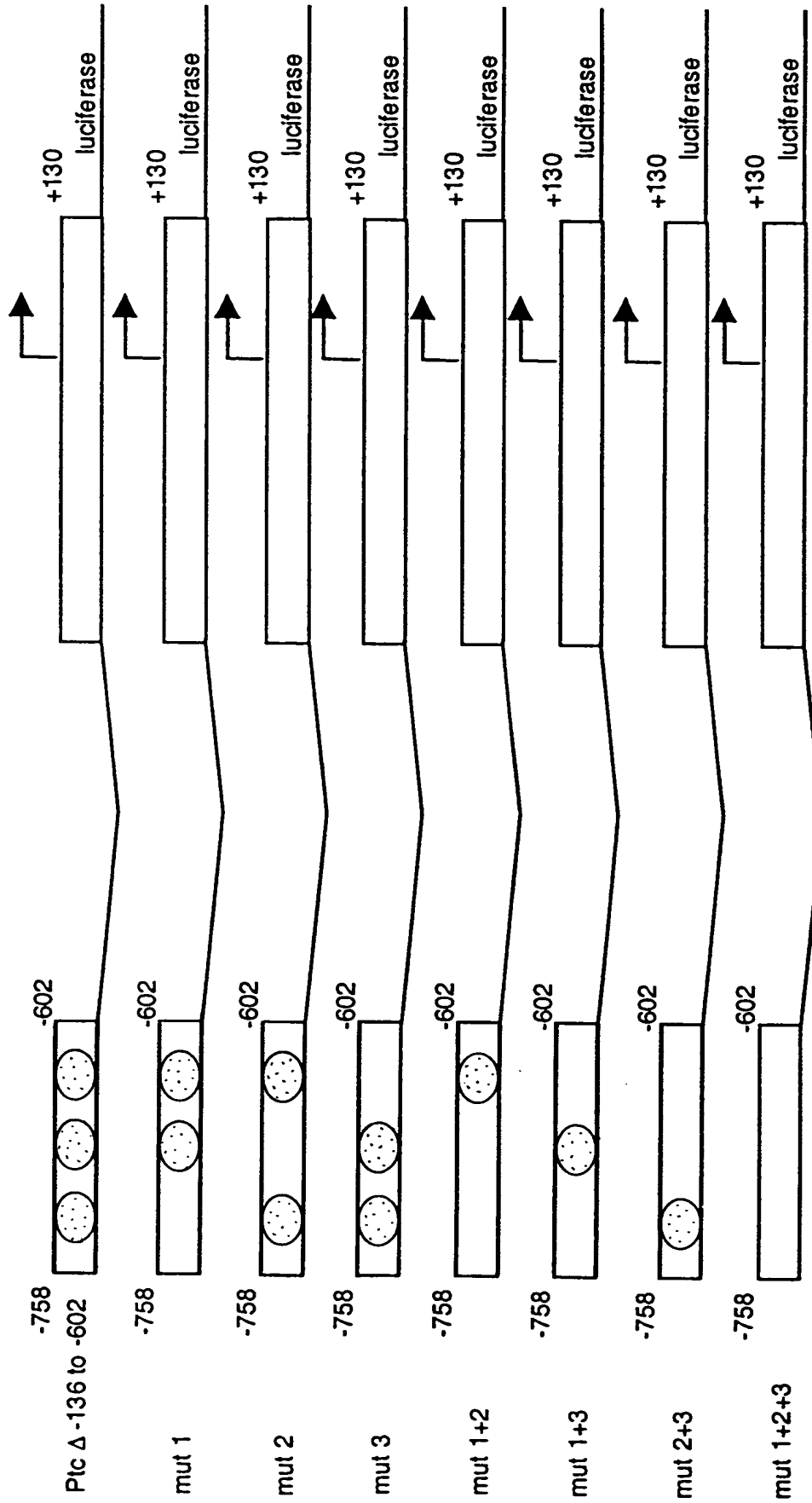
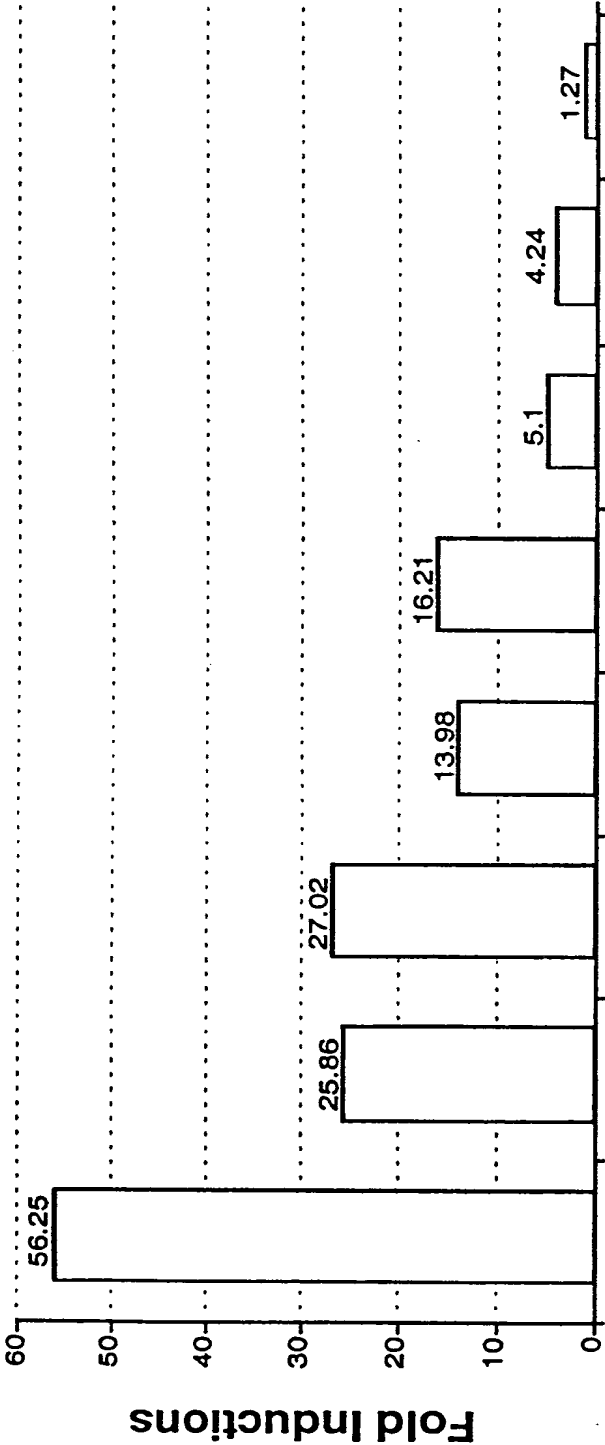


FIG. 2C

Ci binding sites mutagenesis



Luciferase/ Renilla	ptc	mut 1	mut 2	mut 3	mut 1+2	mut 1+3	mut 2+3	mut 1+2+3
HH-N +	10.80	3.75	4.54	7.69	3.08	2.81	2.63	0.25
HH-N -	0.19	0.14	0.17	0.55	0.19	0.55	0.62	0.20
HH-N +/- HH-N -	56.25	25.86	27.02	13.98	16.21	5.1	4.24	1.27

FIG. 2D

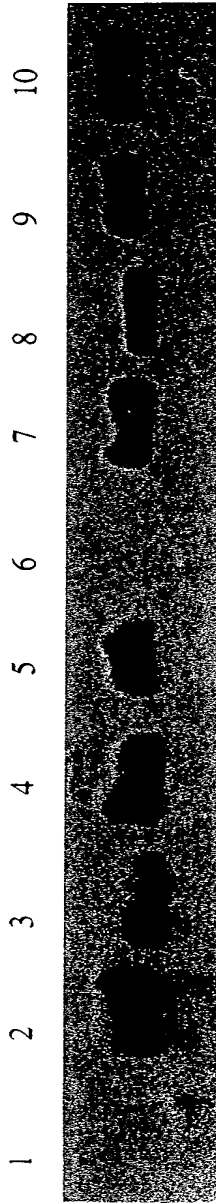


FIG. 3A

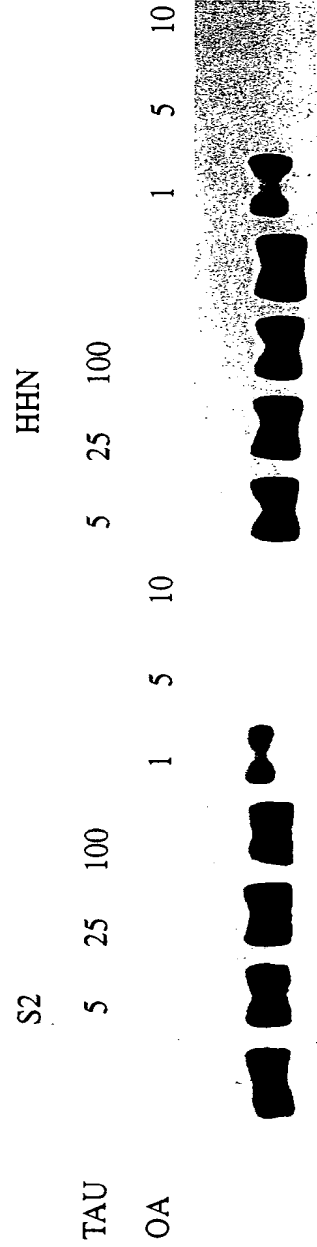


FIG. 3B

nuclear fraction

S2

N

cytoplasmic fraction

S2

N

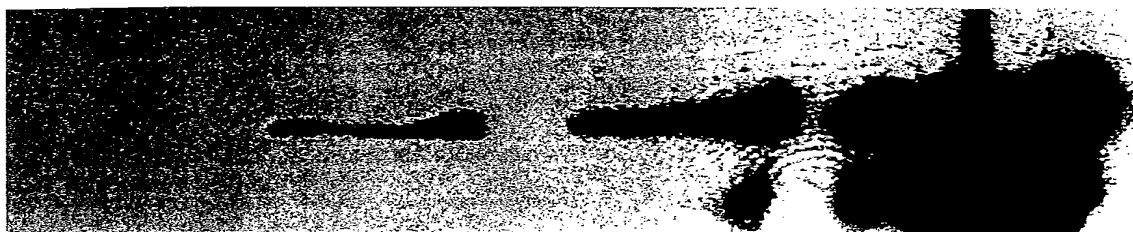


FIG. 4

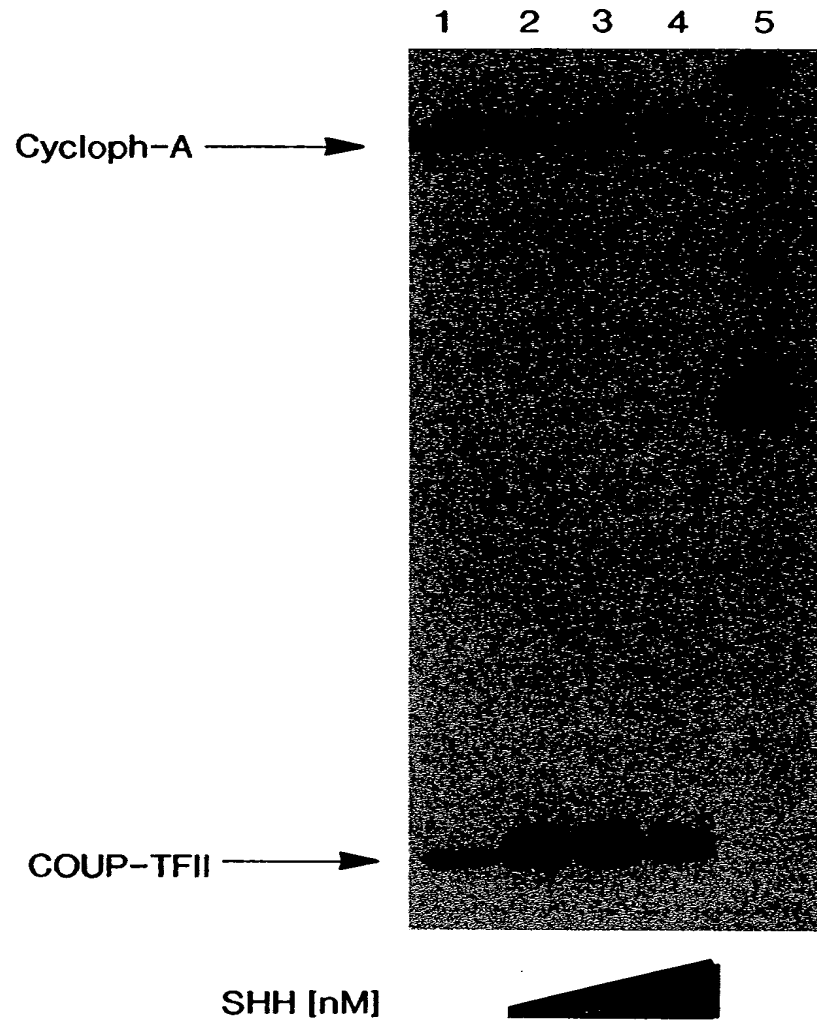


FIG. 5A

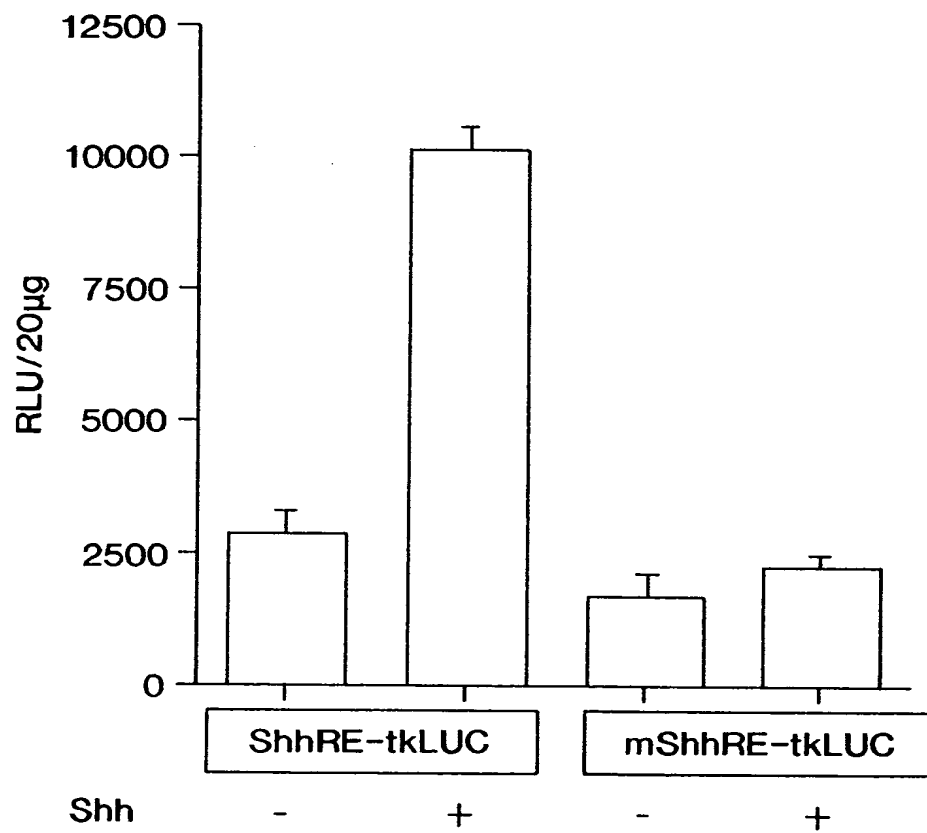


FIG. 5B

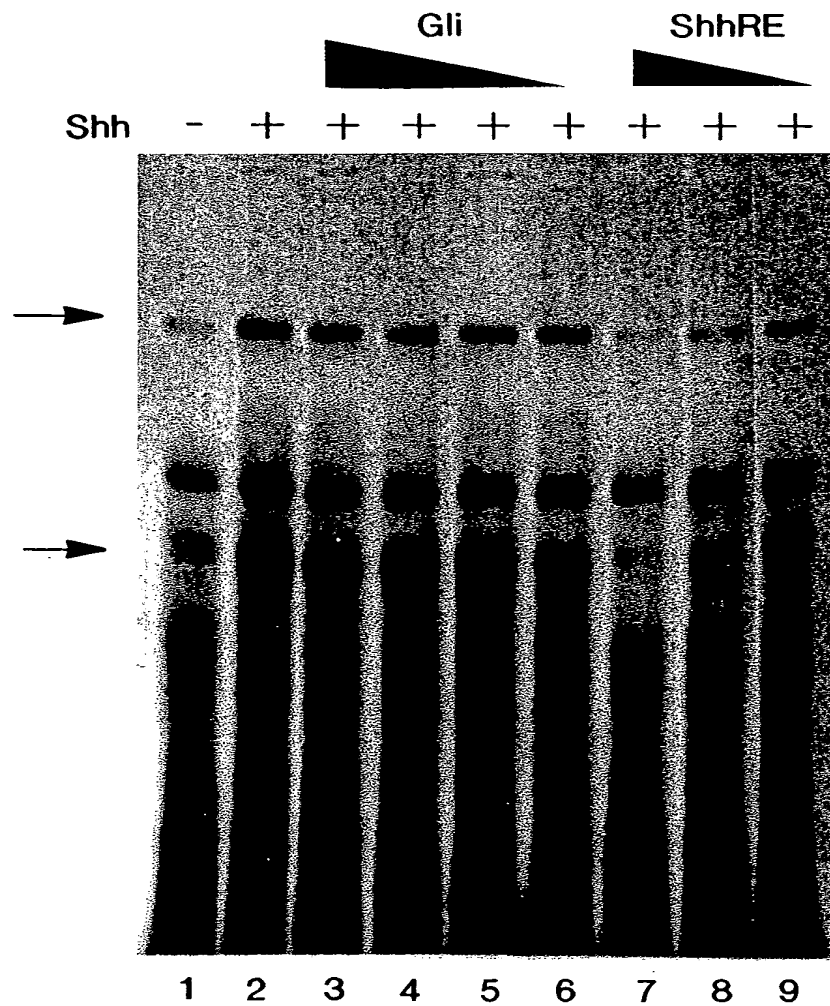


FIG. 5C

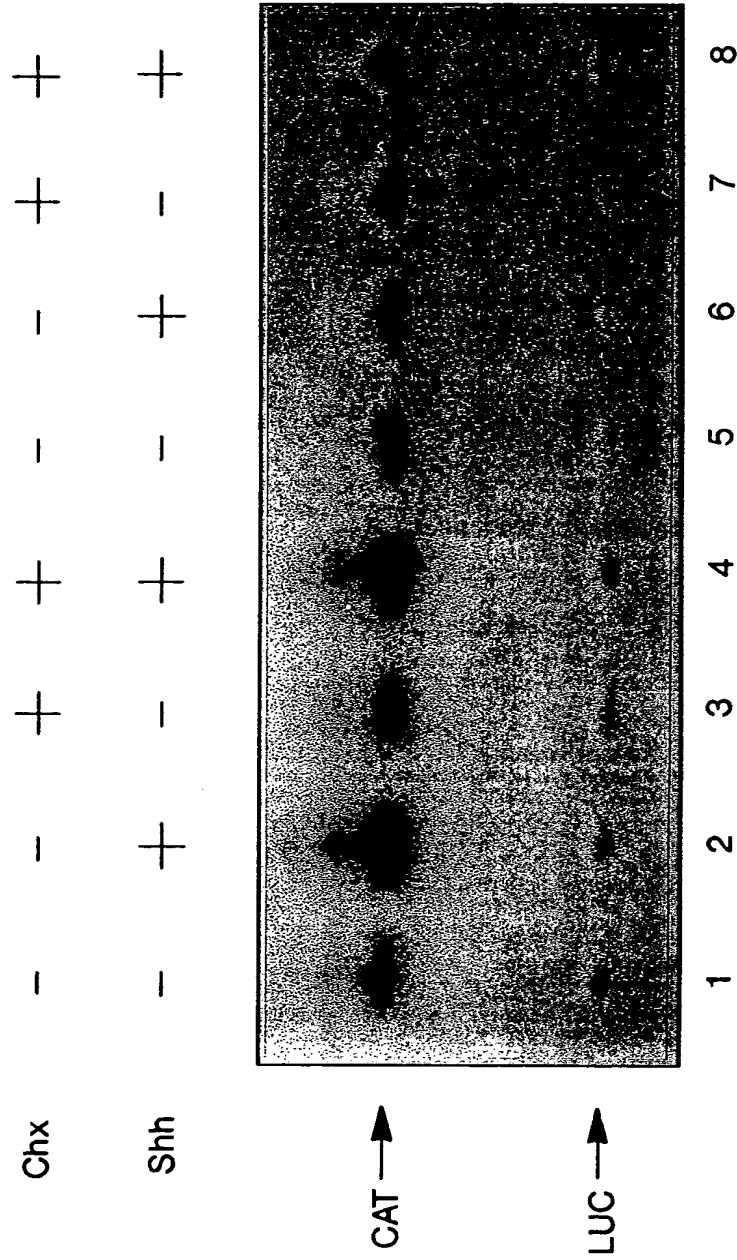


FIG. 6

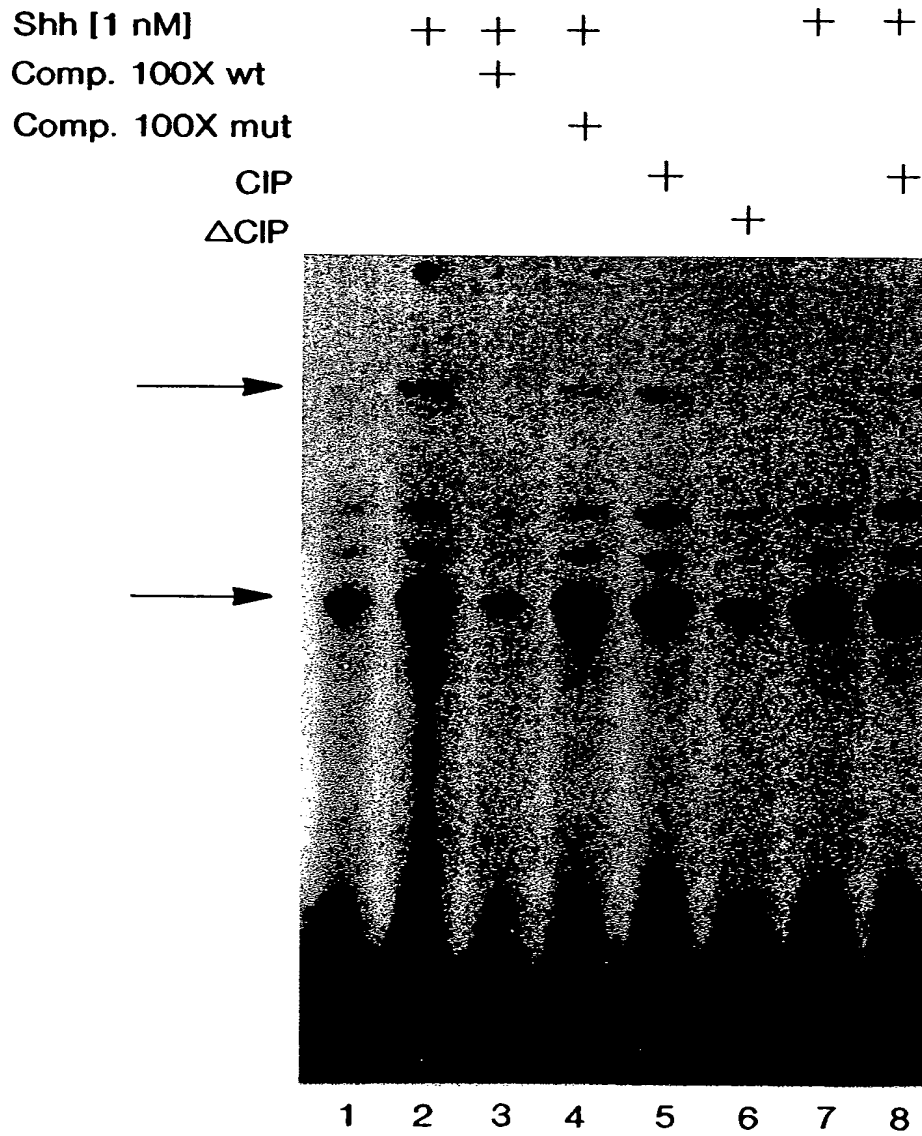
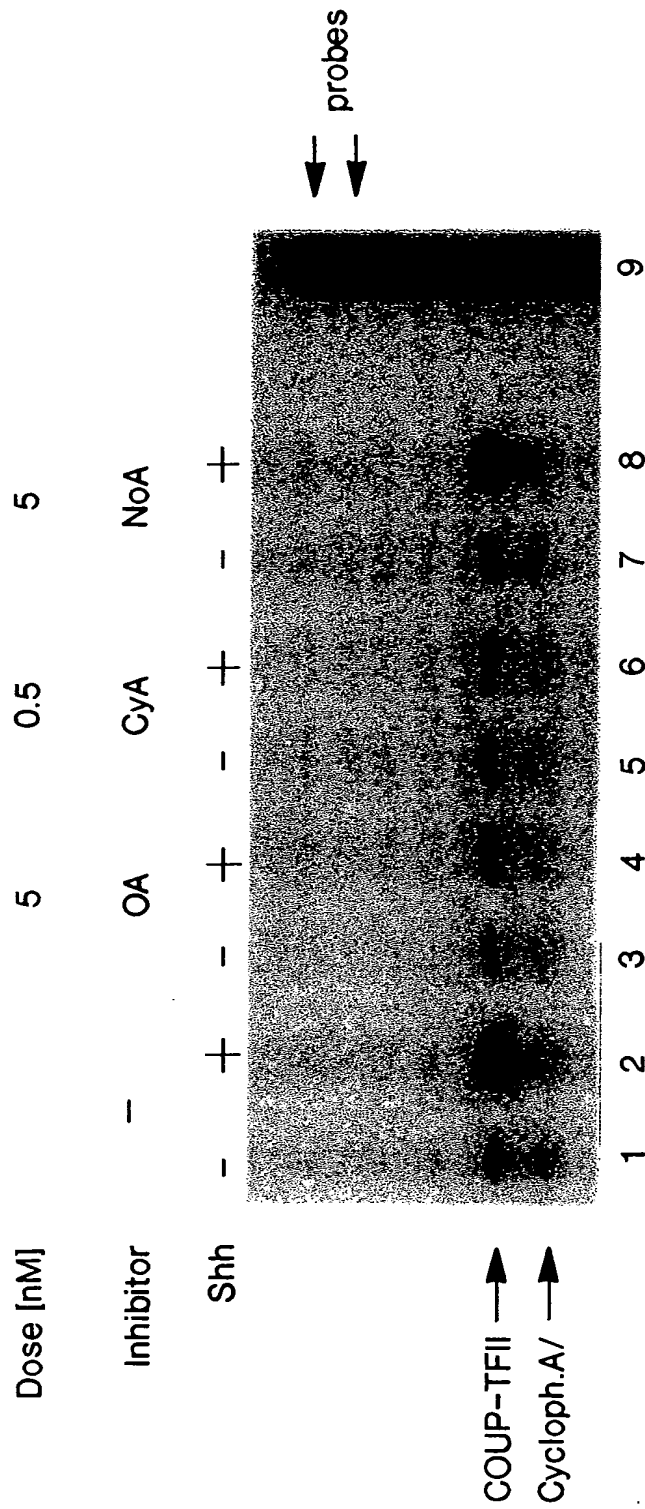


FIG. 7A



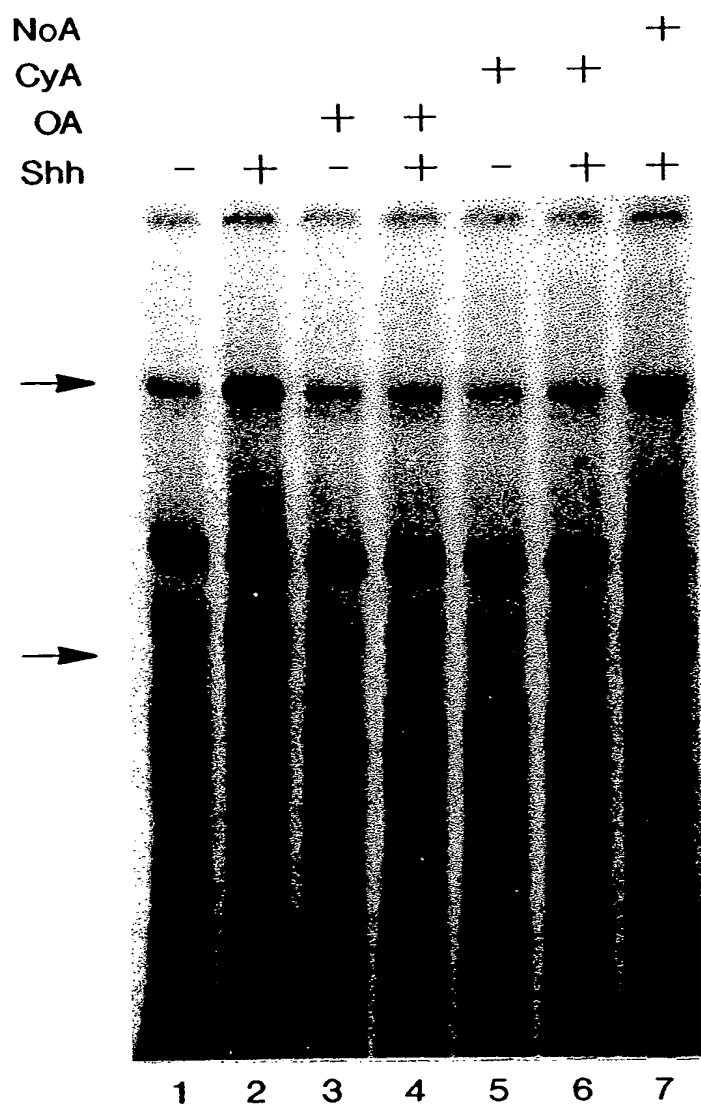
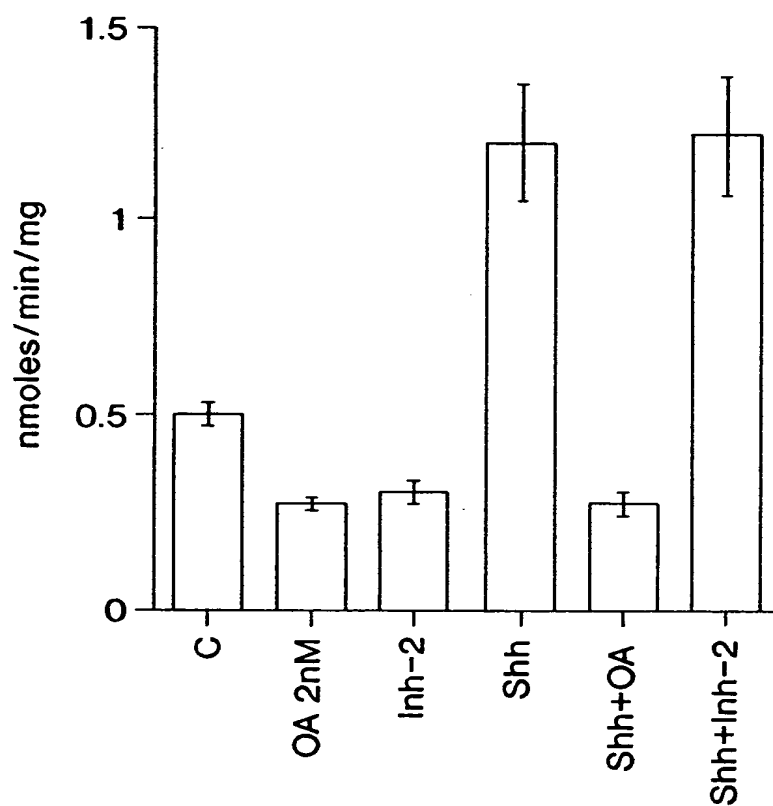


FIG. 7C

# PHOSPHATASE ACTIVITY IN Shh-INDUCED P19 CELLS



Inh-2=specific inhibitor of PP1

FIG. 7D

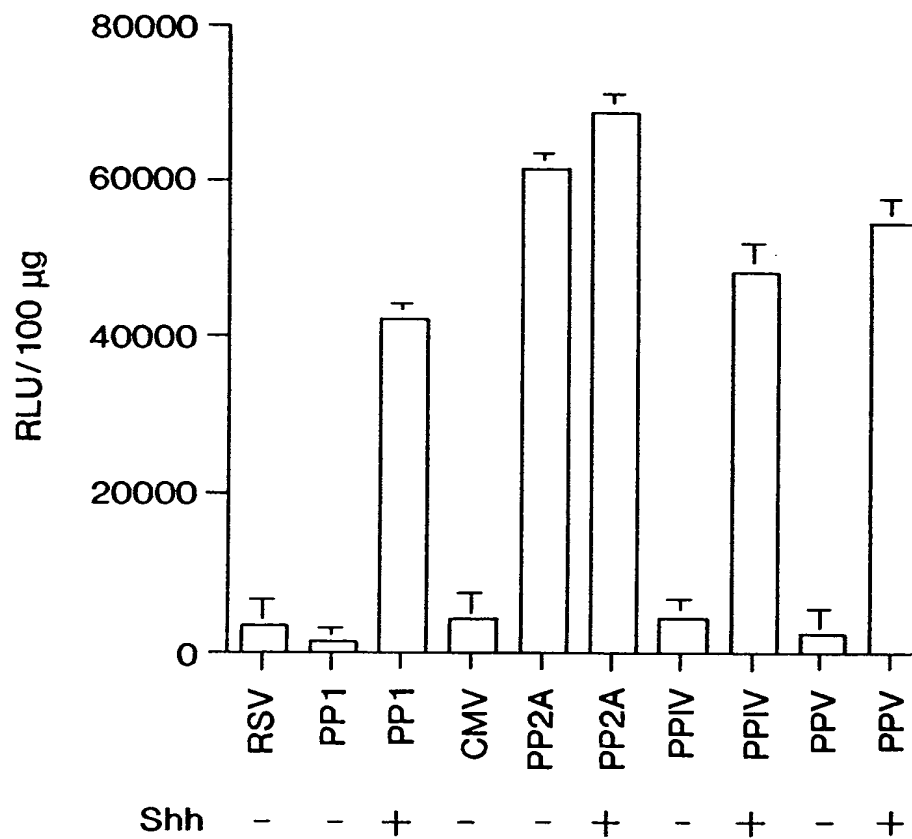


FIG. 7E

FIG. 8A

Inhibition of Islet1 Expression by OA in Neural Tube Explants

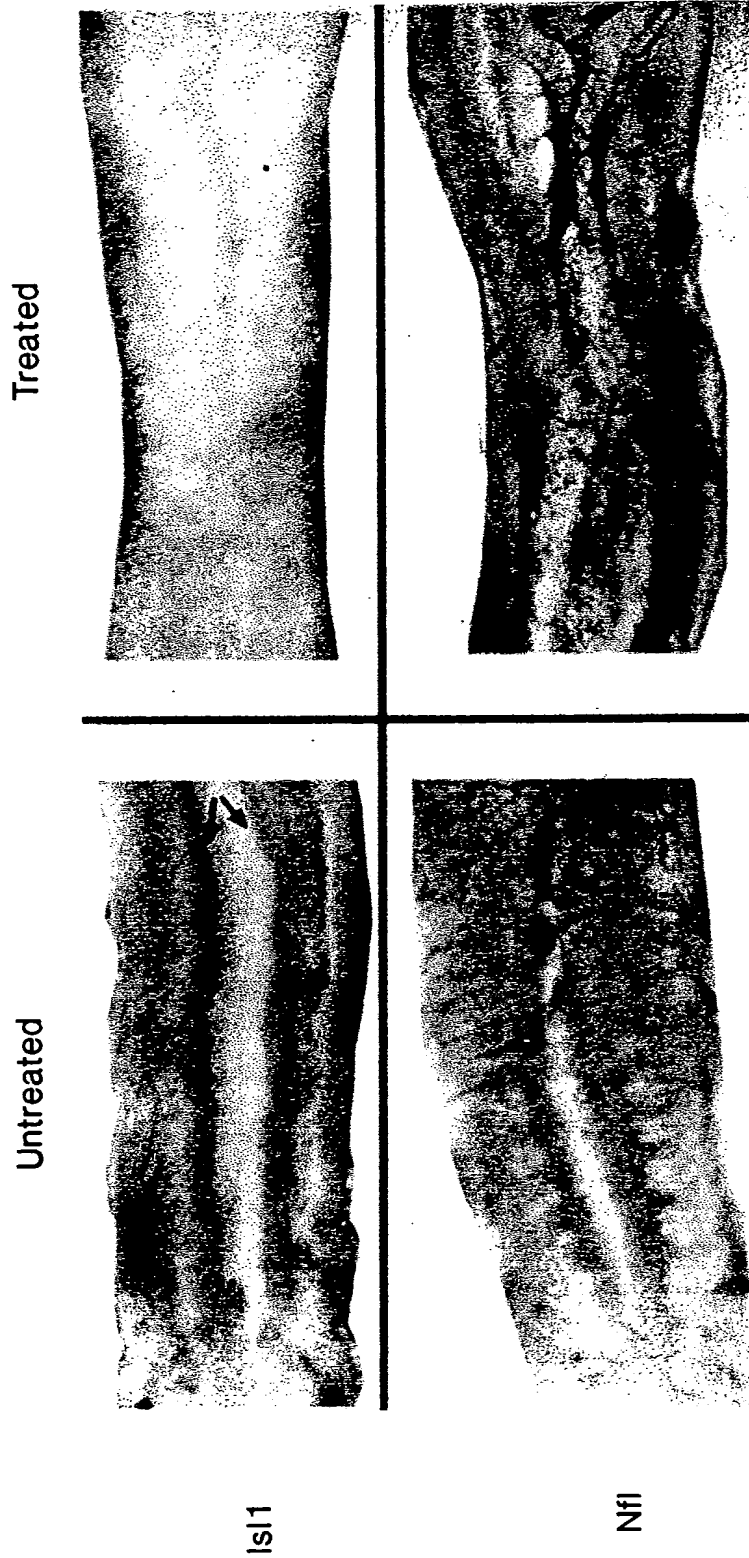


FIG. 8B

# GLiRE-MEDIATED ACTIVATION BY Shh IS INHIBITED BY OA

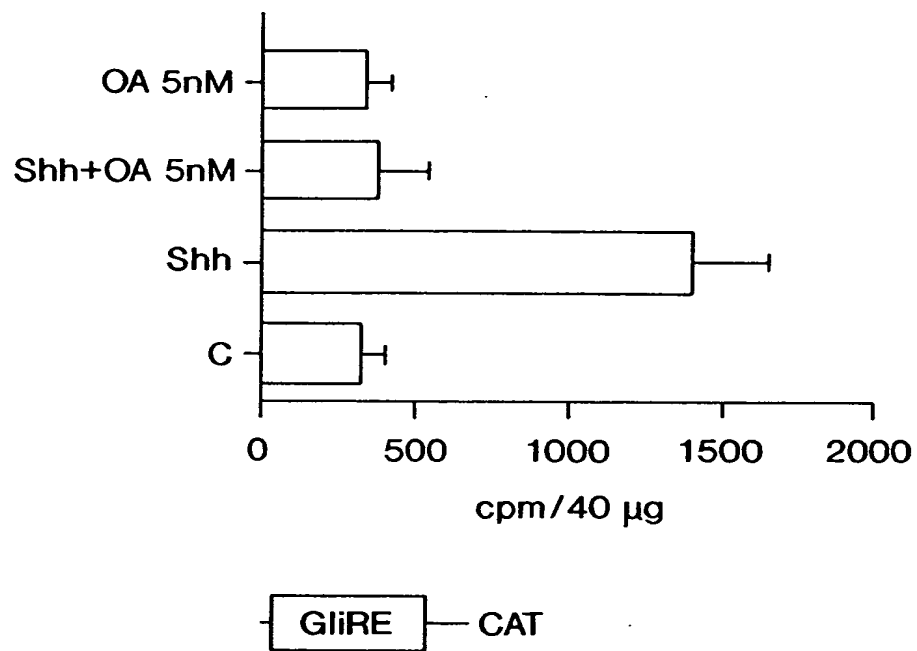


FIG. 8C